

# Novel Polyethers Doped with Nanoscale Insulating oxides for Lithium Battery Elec, Phase I

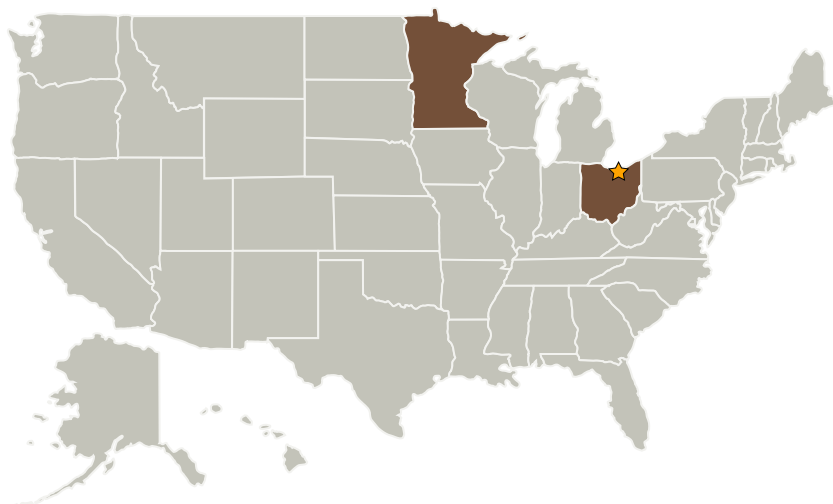
Completed Technology Project (2003 - 2003)



## Project Introduction

Novel polyethers doped with insulating oxides are used to prepare solid polymer electrolytes for high energy density lithium batteries. The electrolytes are characterized for conductivity and electrochemical stability. Prototype lithium-polymer cells with high voltage cathodes will be fabricated and feasibility demonstrated for rate capability and cyclability.

## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Glenn Research Center(GRC)	Lead Organization	NASA Center	Cleveland, Ohio
H.V. Setty Enterprises, Inc.	Supporting Organization	Industry Minority-Owned Business, Small Disadvantaged Business (SDB)	Burnsville, Minnesota

### Primary U.S. Work Locations

Minnesota	Ohio
-----------	------



Novel Polyethers Doped with Nanoscale Insulating oxides for Lithium Battery Elec, Phase I

## Table of Contents

Project Introduction	1
Primary U.S. Work Locations and Key Partners	1
Organizational Responsibility	1
Project Management	2
Technology Areas	2

## Organizational Responsibility

### Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

### Lead Center / Facility:

Glenn Research Center (GRC)

### Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

# Novel Polyethers Doped with Nanoscale Insulating oxides for Lithium Battery Elec, Phase I

Completed Technology Project (2003 - 2003)



## Project Management

**Program Director:**

Jason L Kessler

**Program Manager:**

Carlos Torrez

**Project Manager:**

Doris L Britton

**Principal Investigator:**

H. V Venkatesetty

## Technology Areas

**Primary:**

- TX03 Aerospace Power and Energy Storage
  - └ TX03.2 Energy Storage
    - └ TX03.2.1 Electrochemical: Batteries